

IN THE CLAIMS

Please cancel claims 1-7 without prejudice or disclaimer of the subject matter recited therein.

Please enter claims 8-32 prior to cancellation of claims 1-7, as follows:

8. Creep-proof and corrosion-resistant nickel-based alloy for the use in high-temperature technology comprising, in wt-%:

0.0015 to 0.60 carbon (C);

0.20 to 0.90 nitrogen (N);

22.0 to 32.0 chromium (Cr);

5.0 to 20.0 elements of the groups 4, 5, and 6 of the periodic table, except Cr;

0.03 to 3.0 aluminum (Al);

0.4 to 3.0 silicon (Si);

maximum of 0.014 phosphorus (P);

maximum of 0.004 sulfur (S);

minimum of 51 of nickel (Ni) or a combination of nickel (Ni) and cobalt (Co); and

melting-related contaminants.

9. Nickel-based alloy according to claim 8, comprising, in wt-%, 0.16 to 0.5 C.

10. Nickel-based alloy according to claim 8, comprising a ratio of nitrogen to carbon of 0.5 to 5.5.

11. Nickel-based alloy according to claim 10, wherein the ratio of nitrogen to carbon is 1 to 4.

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12. Nickel-based alloy according to claim 10, wherein the ratio of nitrogen to carbon is 1 to 3.

13. Nickel-based alloy according to claim 8, comprising a total concentration of molybdenum (Mo) and tungsten (W), in wt-%, according to the following formula:

$$\text{Mo} + \text{W}/2 = 3.0 \text{ to } 10.0.$$

14. Nickel-based alloy according to claim 13, comprising a total concentration of molybdenum (Mo) and tungsten (W), in wt-%, according to the following formula:

$$\text{Mo} + \text{W}/2 = 4.0 \text{ to } 8.0.$$

15. Nickel-based alloy according to claim 8, comprising, in wt-%, 25.0 to 30.0 Cr.

16. Nickel-based alloy according to claim 8, comprising, in wt-%, 0.5 to 1.0 Si.

17. Nickel based-alloy according to claim 8, comprising at least one element of Group 3 of the periodic table, except actinoids, said at least one element being present up to 0.15 wt-%.

18. Nickel-based alloy according to claim 17, comprising, in wt-%, 0.01 to 0.12 of at least one element of Group 3 of the periodic table, except actinoids.

19. Nickel based-alloy according to claim 8, comprising manganese (Mn), said Mn being present up to 0.60 wt-%.

20. Nickel based-alloy according to claim 8, comprising iron (Fe), said Fe being present up to 14.8 wt-%.

21. Nickel based-alloy according to claim 8, comprising boron (B), said B being present up to 0.01 wt-%.

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22. Nickel based-alloy according to claim 8, comprising at least one element of Group 3 of the periodic table, except actinoids, said at least one element being present up to 0.15 wt-%; comprising manganese (Mn), said Mn being present up to 0.60 wt-%; comprising iron (Fe), said Fe being present up to 14.8 wt-%; and comprising boron (B), said B being present up to 0.01 wt-%.

23. Nickel based-alloy according to claim 8, comprising at least one element of Group 3 of the periodic table, except actinoids, said at least one element being present up to 0.15 wt-%; comprising manganese (Mn), said Mn being present up to 0.60 wt-%; and comprising iron (Fe), said Fe being present up to 14.8 wt-%.

24. Nickel based-alloy according to claim 8, comprising at least one element of Group 3 of the periodic table, except actinoids, said at least one element being present up to 0.15 wt-%; comprising manganese (Mn), said Mn being present up to 0.60 wt-%; and comprising boron (B), said B being present up to 0.01 wt-%.

25. Nickel based-alloy according to claim 8, comprising at least one element of Group 3 of the periodic table, except actinoids, said at least one element being present up to 0.15 wt-%; comprising iron (Fe), said Fe being present up to 14.8 wt-%; and comprising boron (B), said B being present up to 0.01 wt-%.

26. Nickel based-alloy according to claim 8, comprising manganese (Mn), said Mn being present up to 0.60 wt-%; comprising iron (Fe), said Fe being present up to 14.8 wt-%; and comprising boron (B), said B being present up to 0.01 wt-%.